



RASF5 rabbit pAb

Catalog No	YP-Ab-11372
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB; IF; ELISA; IHC
Gene Name	RASSF5 NORE1 RAPL
Immunogen	Synthesized peptide derived from human RASF5 AA range: 234-284
Specificity	This antibody detects endogenous levels of RASF5 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000; IF/ICC 1:50-200; ELISA 1:2000-20000; IHC-p 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RASF5; RASSF5 NORE1 RAPL
Calculated Molecular Weight	46kD
Cell Pathway	Cytoplasm. Cytoplasm, cytoskeleton. Isoform 2 is mainly located in the perinuclear region of unstimulated primary T-cells. Upon stimulation translocates to the leading edge and colocalizes with ITGAL/LFA-1 in the peripheral zone of the immunological synapse. Isoform 2 is localized to growing microtubules in vascular endothelial cells and is dissociated from microtubules by activated RAP1A.
Tissue Specificity	Widely expressed. Frequently down-regulated in lung tumor cell lines and primary lung tumors.
Function	caution: Has been termed RASSF3 by Ref.3., function: Potential tumor suppressor. Seems to be involved in lymphocyte adhesion by linking RAP1A activation upon T cell receptor or chemokine stimulation to integrin activation. Isoform 2 stimulates lymphocyte polarization and the patch-like distribution of ITGAL/LFA-1, resulting in an enhanced adhesion to ICAM1. Together with RAP1A may participate in regulation of microtubule growth. The association of isoform 2 with activated RAP1A is required for directional movement of endothelial cells during wound healing. May be involved in regulation of Ras apoptotic function. The RASSF5-STK4 complex may mediate HRAS1 and



KRAS induced apoptosis.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 Ras-associating domain.,similarity:Contains 1 SARAH domain.,subcellular location:Isoform 2 is mainly located in the perinuclear regio

Background

This gene is a member of the Ras association domain family. It functions as a tumor suppressor, and is inactivated in a variety of cancers. The encoded protein localizes to centrosomes and microtubules, and associates with the GTP-activated forms of Ras, Rap1, and several other Ras-like small GTPases. The protein regulates lymphocyte adhesion and suppresses cell growth in response to activated Rap1 or Ras. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

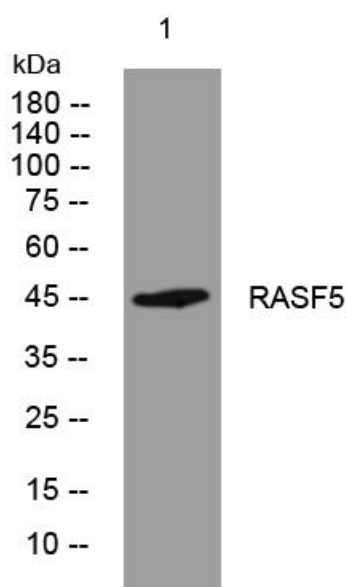
matters needing attention

Avoid repeated freezing and thawing!

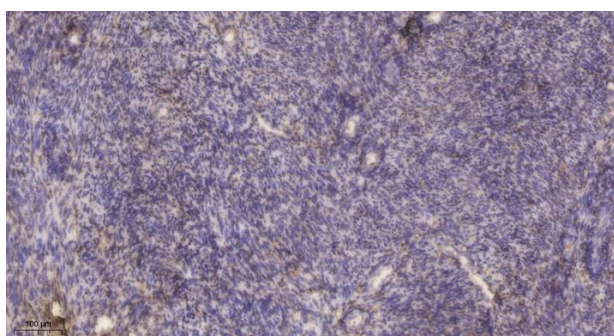
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HeLa cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human uterus. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).